

App. Serial No. 09/759,177
Docket No.: AT 000001 US

In the Claims:

Please amend claims 1, 4, 9, 11-13, 17, 20 and 22 as indicated below. This listing of claims replaces all prior versions.

1. (Currently Amended) A data carrier configured to communicate with a communication station with the aid of a carrier signal having a given carrier signal frequency, the data carrier being operable in a first mode in which it communicates with the communication station and in a second mode in which it does not communicate with the communication station, and which includes the data carrier comprising:

[[a]] receiving means configuration circuitry for receiving the carrier signal, which the receiving means configuration includes circuitry including

a first switching means and a second switch, which is that are both switchable between a conductive switching state and a non-conductive switching state, the first and second switches being in the non-conductive switching state responsive to the data carrier being in the first mode of operation and the first and second switches being in the conductive switching state responsive to the data carrier being in the second mode of operation, and

a first transmission coil that can be short-circuited with the aid of the first switching means, through which first transmission coil a coil current flows when the data carrier is in the second mode of operation, during a communication process with a communication station, during which process the first switching means is in its conductive switching state, which the coil current through the first transmission coil having has a phase lag with respect to the a voltage across the first transmission coil, and

a capacitor configuration arranged in parallel with at least one second transmission coil, the capacitor configuration causing a coil current through the at least one second transmission coil when the data carrier is in the second mode of operation, during the communication process with a communication station, which the coil current through the at least one second transmission coil having has

App. Serial No. 09/759,177
Docket No.: AT 000001 US

a phase lead with respect to the ~~a~~ voltage across the at least one second transmission coil,

characterized in that: the receiving ~~means~~ configuration ~~circuitry~~ is configured to be controllable by an impedance value due to control over both the at least one second transmission coil and the capacitor configuration, the controllable impedance value being selected so that, when the data carrier is in the second mode of operation, during the communication process with a communication station, cancellation is provided of respective magnetic fields associated with the first transmission coil and the at least one second transmission coil.

2. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration is configured to be controllable as regards its capacitance value.

3. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration is configured to be controllable only as regards its capacitance value.

4. (Currently Amended) A data carrier as claimed in claim 1, characterized in that the capacitor configuration includes a first capacitor and at least one series arrangement comprising:

a second capacitor and [[a]] the second switching ~~means~~-arranged in parallel with the first capacitor, and

~~the second switching means is switchable between a conductive switching state and a non-conductive switching state.~~

5. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration is arranged in series with the first transmission coil.

6. (Previously Presented) A data carrier as claimed in claim 1, characterized in that the capacitor configuration is arranged in parallel with both the at least one second transmission coil and the first transmission coil.

App. Serial No. 09/759,177
Docket No.: AT 000001 US

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) A data carrier as claimed in claim 1, wherein the receiving means configuration comprises circuitry further includes plural second transmission coils, at least one of which is controllable.

10. (Cancelled)

11. (Currently Amended) A data carrier as claimed in claim 6 [[1]], wherein the receiving means configuration comprises circuitry further includes plural second transmission coils, at least one of which is controllable.

12. (Currently Amended) A data carrier configured to communicate with a communication station with the aid of a carrier signal having a given carrier signal frequency, the data carrier being operable in a first mode in which it communicates with the communication station and in a second mode in which it does not communicate with the communication station, the data carrier comprising:

[[a]] receiving means configuration circuitry for receiving the carrier signal, which the receiving means configuration includes circuitry including

a first switching means and a second switch, which is that are both switchable between a conductive switching state and a non-conductive switching state, the first and second switches being in the non-conductive switching state responsive to the data carrier being in the first mode of operation and the first and second switches being in the conductive switching state responsive to the data carrier being in the second mode of operation,

a first transmission coil that is arranged so as to be short-circuited with the first switching means in its conductive switching state, through which first transmission coil a coil current flows when the data carrier is in the second mode

App. Serial No. 09/759,177
Docket No.: AT 000001 US

~~of operation, during a communication process with a communication station, during which process the first switching means is in its conductive switching state, which the coil current through the first transmission coil having has a phase lag with respect to the a voltage across the first transmission coil, and~~

~~a capacitor configuration arranged to cause a coil current through the at least one second transmission coil when the data carrier is in the second mode of operation, during the communication process with a communication station, which the coil current through the at least one second transmission coil having has a phase lead with respect to the a voltage across the at least one second transmission coil; and~~

~~the receiving circuitry means configuration being configured so as to be controllable by an impedance value due to control over both the at least one second transmission coil and the capacitor configuration, the controllable impedance value being selected so that, when the data carrier is in the second mode of operation, during the communication process with a communication station, cancellation is provided of respective magnetic fields associated with the first transmission coil and the at least one second transmission coil.~~

13. (Currently Amended) A data carrier as claimed in claim 12, wherein the capacitor configuration includes a first capacitor and at least one series arrangement comprising: a second capacitor and [[a]] the second switching means arranged in parallel with the first capacitor, and the second switching means is switchable between a conductive switching state and a non-conductive switching state.

14. (Previously Presented) A data carrier as claimed in claim 12, wherein the capacitor configuration is arranged in series with the first transmission coil and arranged in parallel with at least one second transmission coil.

15. (Cancelled)

16. (Cancelled)

App. Serial No. 09/759,177
Docket No.: AT 000001 US

17. (Currently Amended) A data carrier as claimed in claim 13 ~~12~~, wherein at least one of the capacitors is controllable.

18. (Cancelled)

19. (Cancelled)

20. (Currently Amended) A data carrier as claimed in claim 12, wherein the receiving ~~means-configuration comprises~~ circuitry further includes plural second transmission coils, at least one of which is controllable.

21. (Cancelled)

22. (Currently Amended) A data carrier as claimed in claim 14 ~~12~~, wherein the receiving ~~means-configuration comprises~~ circuitry further includes plural second transmission coils, at least one of which is controllable.